

Online Master of Technology in Heritage Science & Technology
 Online Post-graduate Diploma in Heritage Science & Technology



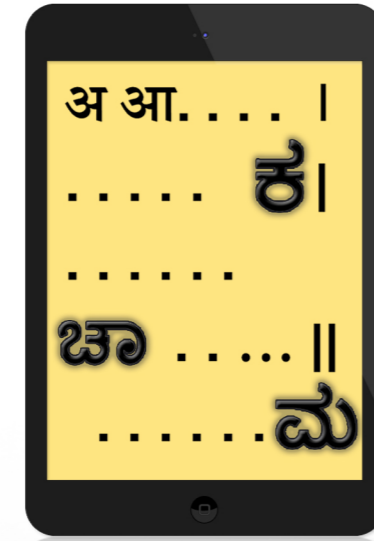
భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
 भारतीय प्रौद्योगिकी संस्थान हैदराबाद
 Indian Institute of Technology Hyderabad

ADMISSIONS (July - August 2022)
 Last date to apply: 07 July 2022

Technology for
 Yoga

Indic Language
 Processing

Conservation and
 Reconstruction



Department of Heritage Science & Technology

HST encompasses the use of Science and Technology in order to study, develop and utilize heritage assets for economic prosperity, health, well-being of society and to enhance the soft power of the nation. The three streams will academically nurture the candidates through rigorous coursework in the respective areas and expose them to heritage assets and the technological know-how to gainfully leverage them. Candidates enrolling for OMP will spend the 2nd year on their thesis work, building nascent need-driven technology to address existing challenges for the populace that works around the areas of heritage assets.

Eligibility Criteria

For Online Masters Programme:

1. First class or 60% marks (55% for SC/ST reserved categories) in
 (A) 4-yr Bachelors program in (Technology/ Engineering/ Architecture/ Medicine/ Science) or equivalent in any relevant discipline (or)
 (B) M Sc or equivalent (2 years subsequent to a 3 year bachelors degree) in relevant area.
 (C) It is a must for OMP candidates to have at least two years of documentable work experience to be considered for the program.

Credit requirements

- Total course credits – 48 credits
- Core (compulsory for all streams) – 7 credits
- Stream core (compulsory courses for specific streams) – 12 credits
- Elective courses – 5 credits
- Thesis work – 24 credits
- Students will be invited for an in-residence two-day hackathon every semester to inspire need-based innovation around Heritage assets

Subjects of study

Biomedical sensing, Anatomy & Physiology, Machine learning, computer vision, Movement science, Neuroscience, Neuroimaging, Sāṅkhya, Yoga, Ayurveda

Machine learning -NLP, compilers, text-2-speech & speech recognition for Indian languages, computational linguistics, manuscriptology, epigraphy, śikṣā, vyākaranam, chamdas, nirukta

Architectural design principles, AI based defect mapping, AR-VR for heritage reconstruction, visualization, planning, mānasāra, mayamata, samārāngana sūtradhāra,

(PGD encompasses 24 credits of course work (without thesis work) with the same curricula as the OMP-HS&T. This will also be the exit option for candidates in the OMP in Heritage Science and Technology at the end of Year-1)

For PG Diploma:

- Criteria mentioned in OMP (or)
- Bachelor of Arts (or)
- Science (or)
- equivalent program.



For more information

Contact Us

Dr. Suhail Rizvi & Dr. Kousik Sarathy
 Department of Heritage Science & Technology,
 IIT Hyderabad, Kandi, Sangareddy,
 Telangana-502285.

Email : admissions@hst.iith.ac.in
 Phone : 040-2301 6102
 www.iith.ac.in
 www.hst.iith.ac.in

